# VNTD High Temperature Series

ARTS Energy's high temperature Ni-Cd series are perfectly suited to emergency and security equipment applications. It is designed to accept a permanent charge for a minimum of 4 years in high temperature environments (up + 40°C).

To meet customers' requirements, ARTS Energy provides custom-designed and standardized battery packs.

For your battery design and system needs, please contact ARTS Energy's engineers.

### **Applications**

- Emergency lighting
- Professional lighting
- Memory back-up systems
- Security devices

# **Main advantages**

- Good charge efficiency at high temperature
- Permanent charge
- Good storage retention
- Long life duration

# Technology

- Plastic bonded positive electrode
- Plastic bonded negative electrode

# Temperature range in discharge

- 20°C to + 70°C

### Storage

Recommended:  $+5^{\circ}C$  to  $+25^{\circ}C$ Relative humidity:  $65 \pm 5 \%$ 

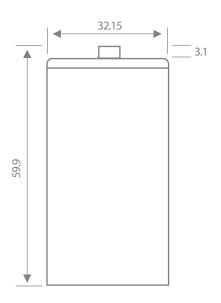


Advanced Rechargeable Technology and Solutions

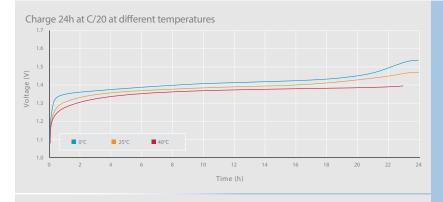


# **Typical performances**

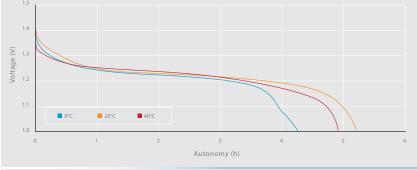
For graphs shown, C is the IEC<sub>5</sub> capacity.



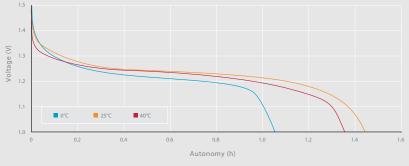




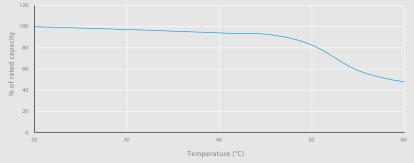
Discharge at C/5 at different temperatures after charge 16h at C/10 at room temperature











Data are given for single cells. Please consult ARTS Energy for utilization of cell outside this specification.

Data in this document are subject to change without notice and become contractual only after written confirmation by ARTS Energy.



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